

FIG. 1

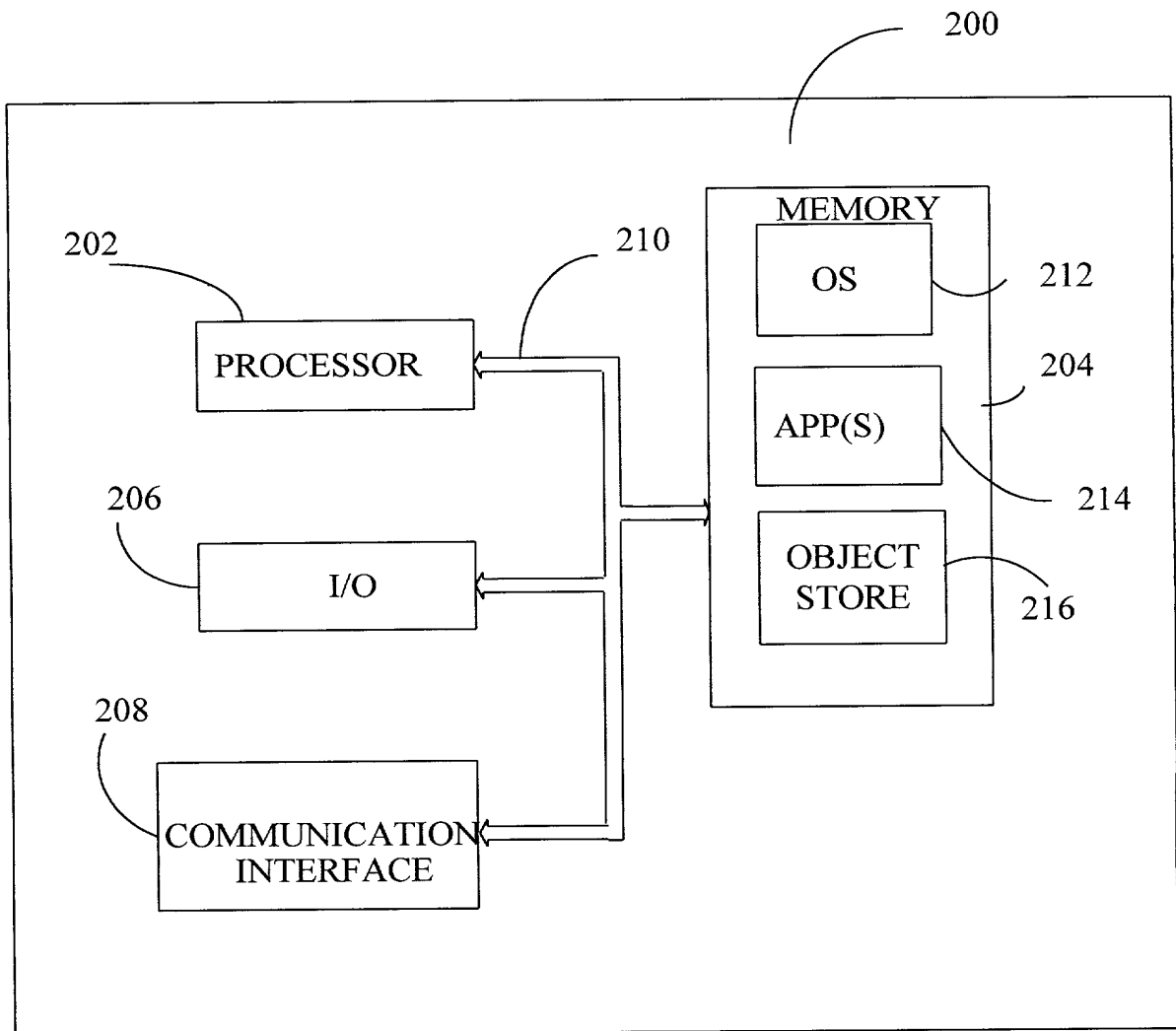


FIG. 2

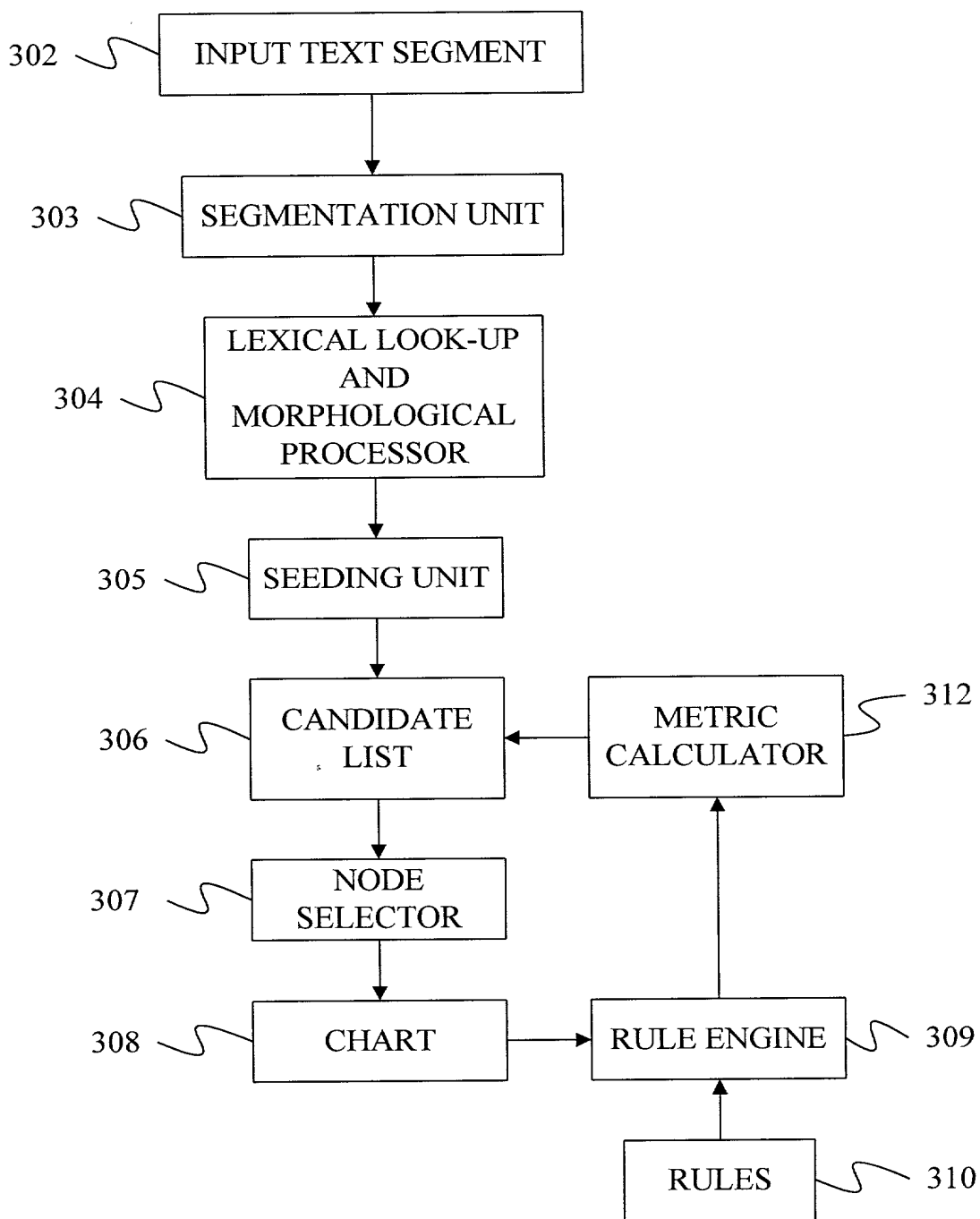
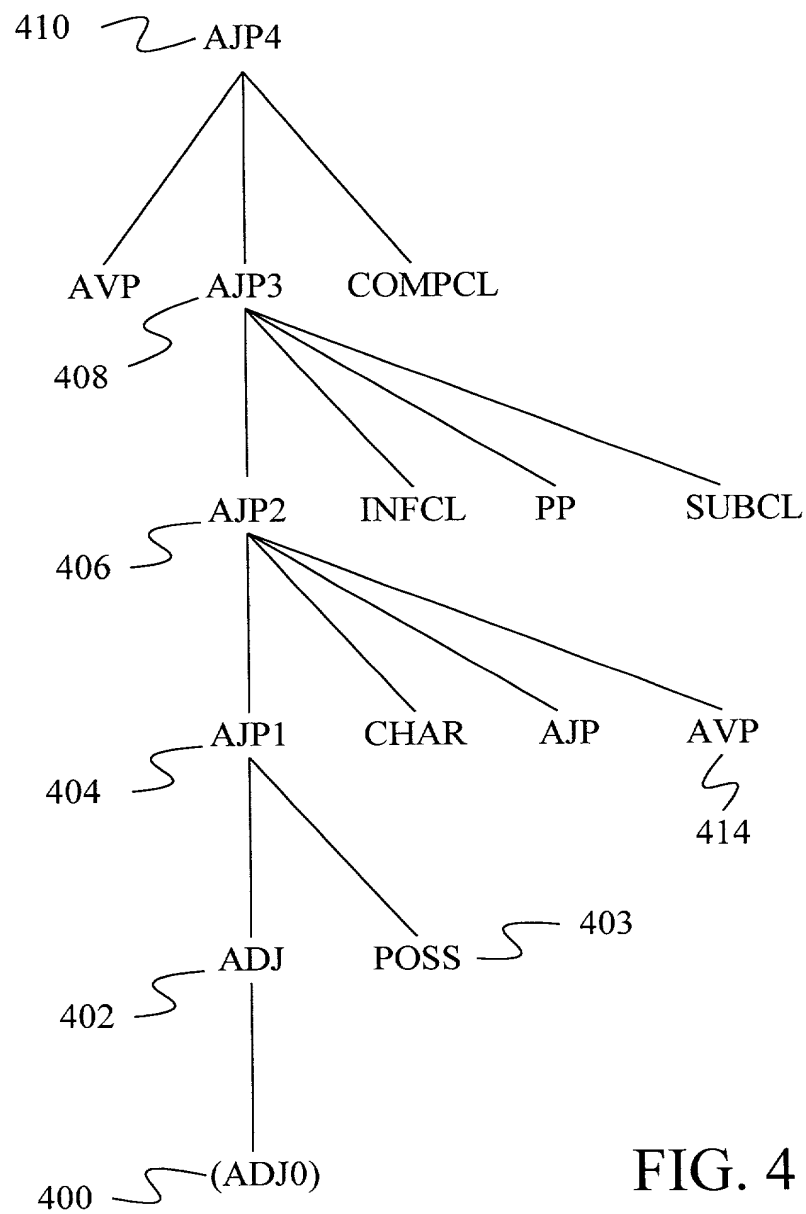


FIG. 3



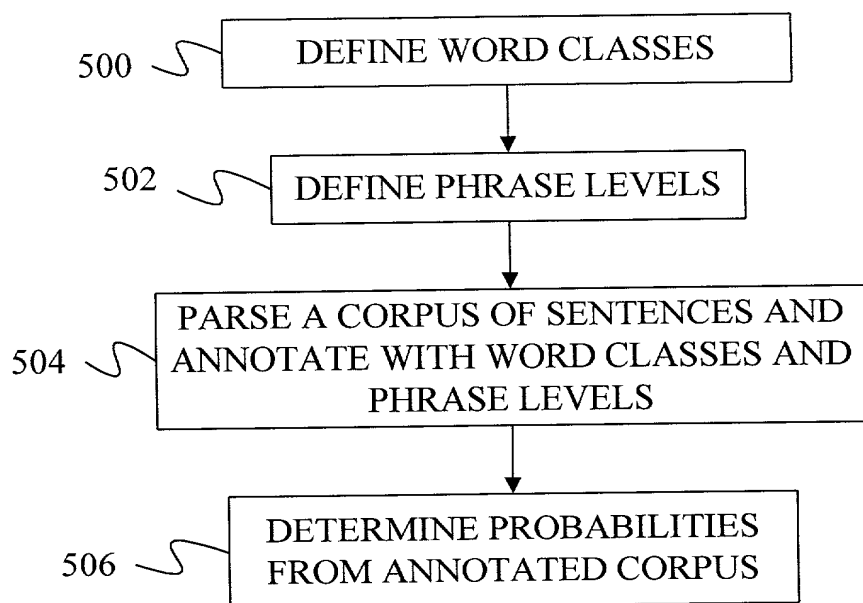


FIG. 5

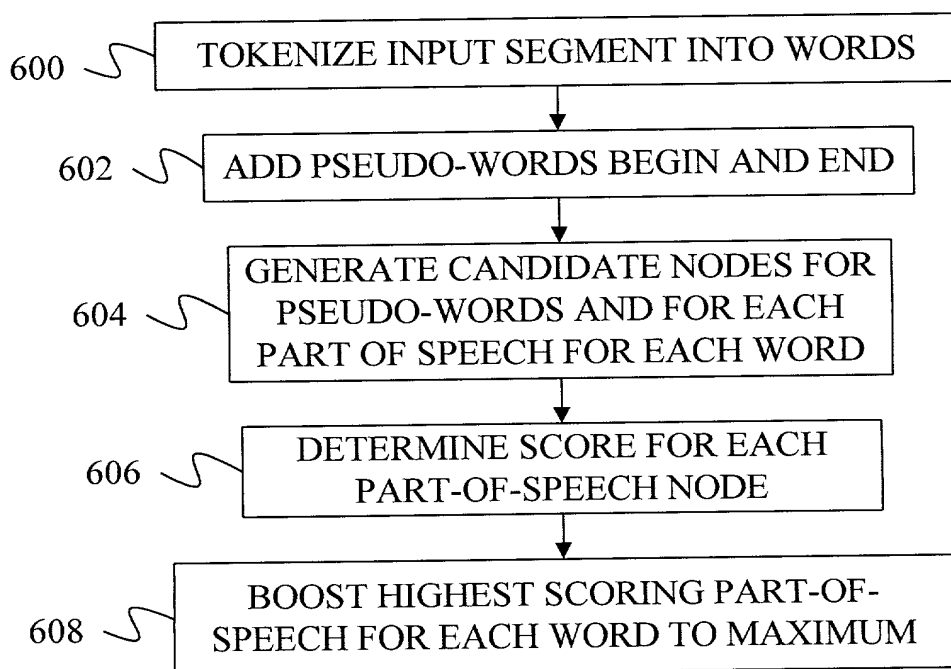


FIG. 6

Promoted node	Prior Art Goodness Measure	Node Contents
CHAR1	1.00000	"?"
NOUN1	1.00000	"Mary"
VERB1	1.00000	"kissed"
VERB2	1.00000	"say"
NOUN2	1.00000	"John"
VERB3	1.00000	"did"
PRON1	1.00000	"Who"
BEGIN1	1.00000	""
NP1	.99770	"Who"
VP1	.99770	"did"
NP2	.99770	"John"
VP2	.99770	"say"
VP3	.99770	"kissed"
NP3	.99770	"Mary"
VP4	.04498	"kissed" "Mary"
PTPRCTL1	.04732	"kissed" "Mary"
VP5	.01294	"did" "John"
VP6	.01510	"Who" "did" "John"
NREL1	.01419	"Who" "did" "John"
COMPCL1	.00923	"kissed" "Mary"
COMPCL2	.00692	"did" "John"
VP7	.00318	"Who" "did"
VP8	.00178	"John" "say"
VP9	.00093	"say" "kissed" "Mary"
VP10	.03837	"John" "say" "kissed" "Mary"
VP11	.00603	"did" "John" "say" "kissed" "Mary"
COMPCL3	.00354	"did" "John" "say" "kissed" "Mary"
COMPCL4	.00298	"John" "say" "kissed" "Mary"
VP12	.00117	"Who" "did" "John" "say" "kissed" "Mary"

FIG. 7

Promoted node	SMTI Goodness Measure	Node Contents
CHAR1	1.00000	"?"
NOUN1	1.00000	"Mary"
VERB1	1.00000	"kissed"
VERB2	1.00000	"say"
NOUN2	1.00000	"John"
VERB3	1.00000	"did"
PRON1	1.00000	"Who"
BEGIN1	1.00000	""
NP1	5.7829	"Who"
VP1	1.7016	"did"
NP2	3.6838	"John"
VP2	2.0978	"say"
VP3	0.0456	"kissed"
NP3	2.5503	"Mary"
VP4	2.8841	"did" "John"
WHCL1	2.4027	"Who" "did" "John"
VP5	1.5142	"kissed" "Mary"
COMPCL1	165.77	"kissed" "Mary"
VP6	14.571	"say" "kissed" "Mary"
VP7	36.7850	"John" "say" "kissed" "Mary"
INFCL1	5.8604	"John" "say" "kissed" "Mary"
VP8	5.2955	"did" "John" "say" "kissed" "Mary"
VP9	173.593	"Who" "did" "John" "say" "kissed" "Mary"
QUES1	22080	"Who" "did" "John" "say" "kissed" "Mary" ?

FIG. 8